



SEQUENCE LISTING

<110> Bing-Ren HUANG et al.

<120> REGULATOR OF APOPTOSIS AND CELL PROLIFERATION

<130> 0641-0260P

<140> US 10/791,860

<141> 2004-03-04

<160> 20

<170> PatentIn version 3.2

<210> 1

<211> 197

<212> DNA

<213> Rattus norvegicus

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tagcgggtgtt ttccatatgt aattcagatc tgaacttaat ggcaataaat ggtttaaata 180

tttgcgaaaa aaaaaaa 197

<210> 2

<211> 167

<212> DNA

<213> Rattus norvegicus

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ttcctccctg ctgtttggag gcagcatctc ctctttttat ggagggcccg tccttttttc 120

ttacaaattc ttcaataaag acacattctt gaggcgaaaa aaaaaaa 167

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<212> DNA

<213> Rattus norvegicus

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gactatctca tgagtacgca cttctggggc ccagttgccca actgggggtct cccattgct 180

gctatcaatg acatgaagaa atctccagag attatcagtg ggcggatgac tttcgccctc 240

tgttgctatt ctctgacatt catgagattt gcctacaagg tacaaccccg aaactggctt 300
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 aactacgaga tgagtaagcg gccatctgcc tagcagtgca aggaccagct cttgaaaggg 420
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 ttcaaaatat gcagctaatt taataatttt gaatgatggt atctatagca atctgtagta 660
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<210> 4
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 <213> Rattus norvegicus

<400> 4

Met Ala Gly Ala Leu Val Arg Lys Ala Ala Asp Tyr Val Arg Ser Lys
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Asp Phe Arg Asp Tyr Leu Met Ser Thr His Phe Trp Gly Pro Val Ala
 20 25 30

Asn Trp Gly Leu Pro Ile Ala Ala Ile Asn Asp Met Lys Lys Ser Pro
 35 40 45

Glu Ile Ile Ser Gly Arg Met Thr Phe Ala Leu Cys Cys Tyr Ser Leu
 50 55 60

Thr Phe Met Arg Phe Ala Tyr Lys Val Gln Pro Arg Asn Trp Leu Leu
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Phe Ala Cys His Val Thr Asn Glu Val Ala Gln Leu Ile Gln Gly Gly
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Arg Leu Ile Asn Tyr Glu Met Ser Lys Arg Pro Ser Ala
100 105

<210> 5
<211> 109
<212> PRT
<213> Mus musculus

<400> 5

Met Ala Gly Ala Leu Val Arg Lys Ala Ala Asp Tyr Val Arg Ser Lys
1 5 10 15

Asp Phe Arg Asp Tyr Leu Met Ser Thr His Phe Trp Gly Pro Val Ala
20 25 30

Asn Trp Gly Leu Pro Ile Ala Ala Ile Asn Asp Met Lys Lys Ser Pro
35 40 45

Glu Ile Ile Ser Gly Arg Met Thr Phe Ala Leu Cys Cys Tyr Ser Gln
50 55 60

Thr Phe Met Arg Phe Ala Tyr Lys Val Gln Pro Arg Asn Trp Leu Leu
65 70 75 80

Phe Ala Cys His Val Thr Asn Glu Val Ala Gln Leu Ile Gln Gly Gly
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Arg Leu Ile Asn Tyr Glu Met Ser Lys Arg Pro Ser Ala
100 105

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<213> Homo sapiens

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Asp Phe Arg Asp Tyr Leu Met Ser Thr His Phe Trp Gly Pro Val Ala
20 25 30

Asn Trp Gly Leu Pro Ile Ala Ala Ile Asn Asp Met Lys Lys Ser Pro
35 40 45

Glu Ile Ile Ser Gly Arg Met Thr Phe Ala Leu Cys Cys Tyr Ser Leu
 50 55 60

Thr Phe Met Arg Phe Ala Tyr Lys Val Gln Pro Arg Asn Trp Leu Leu
 65 70 75 80

Phe Ala Cys His Ala Thr Asn Glu Val Ala Gln Leu Ile Gln Gly Gly
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Arg Leu Ile Lys His Glu
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 <212> DNA
 <213> Homo sapiens

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 tgtatatcat ctattagaat ttacttaatg aaaaactgaa gagaacaaaa tttgtaacca 780
 ctagcactta agtactcctg attcttaaca ttgtctttta tgaccacaag acaaccaaca 840
 gctggccacg tacttaaaat tttgtcccca ctgttttaaa atgttacctg tgtattttcca 900
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 <212> DNA
 <213> Mus musculus

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 cacttctggg gccagttgc caactggggt ctccccattg ctgctatcaa tgacatgaag 180
 aaatctccag agattatcag tgggcggatg actttcgccc tctgttgcta ttctctgaca 240
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 ctgcagccac agatcatgtc agcatgagta gtcgtgctga agggaaaaca cagaatgcta 480
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 ccttatcaat gctaaacctt atttgtcttc atcaagagta gttcaaaata tgcaactaat 600
 ttaataatth tgaatgatgg ttttatctat agcaatctgt agtaatatgt atattatcta 660
 ttgggatttg tgtaataaaa aatctaaggg aacaaaatth tataactaca agcacttaag 720
 tactcaaaat tcttgactth ttctthaatg acaatagtaa accctcagtt ggtcacatgt 780
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 aacttaatgg caataaatgg tttaaatatt tgc 873

<210> 9
 <211> 549
 <212> DNA
 <213> Mus musculus

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 cattgctgcc atcaatgata tgaaaaagtc tccagagatt atcagtgggc ggatgacatt 180
 tgccctctgt tgctattctt tgacattcat gagatttgcc tacaaggtag agcctcggaa 240
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 gcttatcaaa cagagatga ctgtaactta atggcaataa atgatttaaa tatttgaaga 360
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tagaatttac ttaatgaaaa actgaagaga acaaaatttg taaccactag cacttaagta 480
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 gctgcctta 549

<210> 10
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 <212> DNA
 <213> Artificial Sequence

<220>
 <223> 5' random arbitrary primer

<400> 10
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<210> 11
 <211> 10
 <212> DNA
 <213> Artificial Sequence

<220>
 <223> 5' random arbitrary primer

<400> 11
 cagtgagctg 10

<210> 12
 <211> 10
 <212> DNA
 <213> Artificial Sequence

<220>
 <223> 5' random arbitrary primer

<400> 12
 gtcacggaag 10

<210> 13
 <211> 27
 <212> DNA
 <213> Artificial Sequence

<220>
 <223> PCR primer AP1

<400> 13
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<210> 14
 <211> 24

<212> DNA
 <213> Artificial Sequence

 <220>
 <223> PCR primer corresponding to SEQ ID NO: 1

 <400> 14
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 <210> 15
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 <220>
 <223> Primer I (ARBP cDNA 5' primer)

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 <210> 16
 <211> 26
 <212> DNA
 <213> Artificial Sequence

 <220>
 <223> primer II (ARBP cDNA 3' primer)

 <400> 16
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 <210> 17
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 <212> DNA
 <213> Artificial Sequence

 <220>
 <223> GAPDH sense primer

 <400> 17
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 <210> 18
 <211> 20
 <212> DNA
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 <220>
 <223> GAPDH anti-sense primer

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<210> 19
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 <212> PRT
 <213> Artificial Sequence

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 <223> polyclonal antibody against a C-terminal peptide sequence of ARBP
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Gly Arg Leu Ile Asn Tyr Glu Met Ser Lys Arg Pro Ser Ala
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<210> 20
 <211> 550
 <212> DNA
 <213> Homo sapiens

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 cattgctgct atcaatgaca tgaagaaatc tccagagatt atcagtgggc ggatgacttt 180
 cgccctctgt tgctattctc tgacattcat gagatttgcc tacaaggtag aacctcgaaa 240
 ctggcttttg tttgcatgcc atgtaacaaa cgaagtagct cagctcattc agggaggacg 300
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 actcaaaatt cttgactttt tctttaatga caatagccga gagtccctaa acccactctc 540
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